



Date: 13/04/2017

To,  
The Member Secretary  
Goa State Pollution Control Board  
EDC, Patto Plaza  
Panjim, Goa -403001

**Subject:** Compliance of Consent conditions of Bicholim Iron Ore Mine, T.C. Nos: 11/1941, 12/1941, 13/1941, 14/1941 & 15/1941, Village Mayem, Lamgao, Bordem, Mulgao & Shirgao of Bicholim Taluka for the month of March 2017.

**Ref:** Consent to Operate No. 5/2569/15-PCB/CI-554 dated 07/09/2015

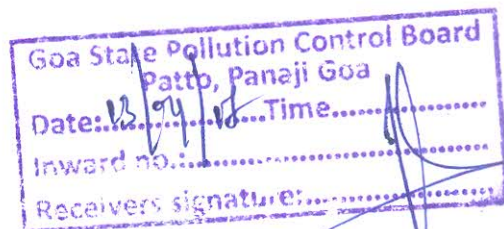
With reference to the condition in Consent to Operate and Authorization granted to Bicholim Iron Ore Mine, we have enclosed herewith the Air and Water Analysis Report for the Month of **March 2017**.

Thanking you,

Yours faithfully,

**For Sesa Mining Corporation Limited,**

**Jagdish Desai**  
**Manager-Environment**



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### M/s Sesa Environment Laboratory

Vedanta Limited ,Mining Division ,Codli Mines,P.O. Kirlapale ,Goa-403727

Recognised by Ministry of Environment, Forests and Climate change, Govt. of India Vide Notification .S.O.137(E).

dated 12<sup>th</sup> January 2015 , Valid up to 11.01.2020

\* Certified by ISO 9001:2008 and OHSAS 18001:2007

#### Ambient Air Quality Monitoring Report

Mine Name: Bicholim Mine

Instruments used: Respirable Dust Sampler 460BL

Calibration date: 24.01.2017

Validity of calibration :23.01.2018

Standard method used for analysis: Particulate Matter -Gravimetric method

Monitoring Date	Particulate Matter (24 hourly)				Emission Standards
	2 TOP Mine Face	1 Top Weigh Bridge Service Road	5TOP Ore storage/Loadin g	NSP (Dry screening Plant)	
06.03.2017	215	163	240	944	1200 µg/m3
10.03.2017	262	261	366	913	
13.03.2017	274	292	371	257	
16.03.2017	216	382	316	137	
22.03.2017	253	361	271	323	
24.03.2017	271	341	245	503	
27.03.2017	254	312	341	722	
29.03.2017	263	317	341	351	



Govt. Analyst



Laboratory Incharge



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**Ambient Air Quality Monitoring Report**

**Mine Name: Bicholim Mine**

**Instruments used:** Fine Particulate Sampler APM550 MFC, Respirable Dust Sampler 460 NL, Gaseous Pollutant Sampler

**Calibration date: 24.01.2016**

**Validity of calibration :23.01.2018**

**Standard method used for analysis:** PM10 & PM2.5 - Gravimetric method

SO2 - Improved west & Gaeke

NOx - Modified Jacob & Hoccheiser

Location Name :Ladferm Village					Location Name : Sarvan village			
Monitoring Date	PM <sub>2.5</sub> in µg/m <sup>3</sup> (24 hourly)	PM <sub>10</sub> in µg/m <sup>3</sup> (24 hourly)	SO <sub>2</sub> in µg/m <sup>3</sup> (24 hourly)	NOx in µg/m <sup>3</sup> (24 hourly)	PM <sub>2.5</sub> in µg/m <sup>3</sup> (24 hourly)	PM <sub>10</sub> in µg/m <sup>3</sup> (24 hourly)	SO <sub>2</sub> in µg/m <sup>3</sup> (24 hourly)	NOx in µg/m <sup>3</sup> (24 hourly)
06.03.2017	38	50	8	14	36	50	8	12
10.03.2017	45	59	10	12	28	59	6	10
13.03.2017	47	67	8	12	32	62	8	12
16.03.2017	39	59	8	10	41	69	10	10
22.03.2017	27	42	6	12	54	77	6	14
24.03.2017	38	46	4	8	50	73	6	12
27.03.2017	42	56	8	14	27	55	8	10
29.03.2017	44	61	6	10	36	62	6	10

Location Name : C S Pilgao Village					Location Name :Lamgao Village			
06.03.2017	26	52	10	14	39	58	8	10
10.03.2017	30	80	8	12	54	71	6	9
13.03.2017	37	46	10	12	33	53	6	10
16.03.2017	39	54	8	10	41	63	8	14
22.03.2017	45	55	8	10	39	43	8	12
24.03.2017	37	70	8	14	48	60	9	11
27.03.2017	42	80	12	16	35	64	8	12
29.03.2017	40	72	10	16	36	45	9	12

NAAQS Limits: PM<sub>2.5</sub> -60µg/m<sup>3</sup> PM<sub>10</sub> 100 µg/m<sup>3</sup> SO<sub>2</sub> 80 µg/m<sup>3</sup> NO<sub>x</sub> 80 µg/m<sup>3</sup> PM<sub>2.5</sub> - 60µg/m<sup>3</sup> PM<sub>10</sub> 100 µg/m<sup>3</sup> SO<sub>2</sub> 80 µg/m<sup>3</sup> NO<sub>x</sub> 80 µg/m<sup>3</sup>

  
Govt. Analyst



  
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